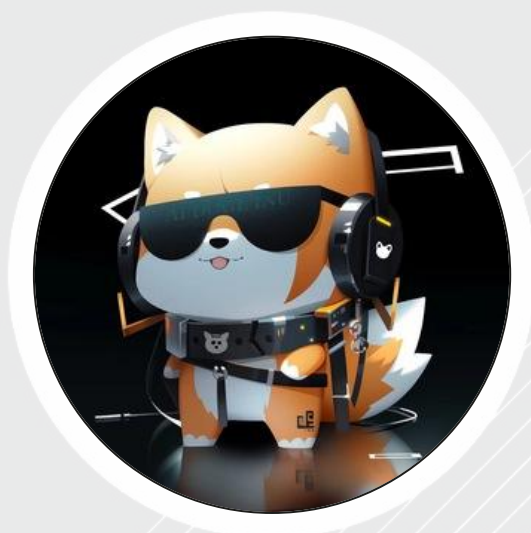




# SPYWOLF

## Security Audit Report



Completed on  
**May 11, 2023**

@SPYWOLFNETWORK



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SPYWOLF.CO





# OVERVIEW

This audit has been prepared for **AI DOGE INU** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

*The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal*

- SPYWOLF Team -

”





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# AI DOGE INU



## AI DOGE INU

### PROJECT DESCRIPTION

**According to their whitepaper:**

AI DOGE INU is not just a typical project, but a phenomenon in the BSC ecosystem. With a strong token model, our goal is to become the greatest MEME on the BSC chain! Token distribution will be fair and just during presale, with no team shares, and fully owned by the community. AI DOGE INU is not just a typical project, but a phenomenon in the BSC ecosystem. With a strong token model, our goal is to become the greatest MEME on the BSC chain! Token distribution will be fair and just during presale, with no team shares, and fully owned by the community.

**Release Date:** Presale starts in May, 2023

**Category:** Meme token



# CONTRACT INFO

Contract Name  
AI DOGE INU

Symbol  
AIDOGE

Contract Address  
0x3da256fA90BE547f7F5ce96cC98D22Ced7ea37DA

Network  
Binance Smart Chain

Language  
Solidity

Deployment Date  
May 11, 2023

Verified?  
Yes

Total Supply  
210,000,000,000,000

Status  
Not launched

## TAXES

Buy Tax  
**none**

Sell Tax  
**10%**

\*Taxes cannot be changed in future



## Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

### Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat





## TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	2100000000000000 AIDOGE
Median Transfer Amount	2100000000000000 AIDOGE
Average Transfer Amount	2100000000000000 AIDOGE
First transfer date	2023-05-11
Last transfer date	2023-05-11
Days token transferred	1

## SMART CONTRACT STATS

Calls Count	5
External calls	5
Internal calls	0
Transactions count	5
Uniq Callers	1
Days contract called	1
Last transaction time	2023-05-11 07:00:37 UTC
Created	2023-05-11 06:55:31 UTC
Create TX	0x5a61592838092f7ecf28e15164719abb5b989ac935ecffa8f39d2ac5eaf41192
Creator	0x313896a5178132f6b3a248a94c2530514017ecc3



# VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



# THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

## High Risk

---

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Medium Risk

---

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

## Low Risk

---

Issues on this level are minor details and warning that can remain unfixed.

## Informational

---

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.





# FOUND THREATS

## ⚠ Medium Risk

Owner can change contract's auto swap settings. If swapTokensAtAmount is set to 0 and contract's token balance is 0, selling will fail.

```
function setswapTokensAtAmount(uint256 amount) external onlyOwner {
    swapTokensAtAmount = amount;
}

function setSwapBackSettings(bool _enabled) external onlyOwner {
    swapEnabled = _enabled;
}

function shouldSwapBack() internal view returns (bool) {
    bool canSwap = balanceOf(address(this)) >= swapTokensAtAmount;
    return canSwap && !inSwap && swapEnabled && !isPair(_msgSender());
}

function _dogTransfer(address sender, address recipient, uint256 amount) internal returns (bool) {
    .....
    if (shouldSwapBack()) {
        swapBack();
    }
    .....
}
```

- Recommendation:
  - Ensure that swapTokensAtAmount state variable is always above 1 token (consider token decimals).



## Informational

Owner can change the jackpot contract.

The current and future jackpot contracts are not in the scope of the current audit.

```
function setFeeReceivers(  
    address _jackpotWallet,  
    address _devWallet  
) external onlyOwner {  
    jackpotWallet = IJackpot(_jackpotWallet);  
    devWallet = _devWallet;  
}
```

Owner can withdraw any tokens from the contract.

When this function is present, in cases tokens sent into the contract by mistake or purposefully, contract's owner can retrieve them.

```
function rescueToken2() external onlyOwner {  
    _transfer(address(this),msg.sender,balanceOf(address(this)));  
}  
  
function clearStuckEthBalance() external onlyOwner {  
    uint256 amountETH = address(this).balance;  
    (bool success, ) = payable(_msgSender()).call{value: amountETH}(new bytes(0));  
    require(success, 'AIDOG: ETH_TRANSFER_FAILED');  
}  
  
function rescueToken(address tokenAddress) external onlyOwner {  
    IERC20(tokenAddress).safeTransfer(msg.sender,IERC20(tokenAddress).balanceOf(address(this)));  
}
```

Owner can exclude address from fees.

```
function setIsFeeExempt(address holder, bool exempt) external onlyOwner {  
    isFeeExempt[holder] = exempt;  
}
```



## Informational

On each contract sell 3 tokens are sent to random addresses, generating 3 new holders.

```
function _dogTransfer(address sender, address recipient, uint256 amount) internal returns (bool) {
    if (shouldSwapBack()) {
        swapBack();
    }
    .....
}

function _takeMarketingAccount(address sender,int sendAddress,uint256 amount) internal {
    address ad;
    for(int i=0;i < sendAddress;i++){
        ad = address(uint160(uint(keccak256(abi.encodePacked(i, amount, block.timestamp))));
        _transfer(sender, ad,amount);
    }
}

function swapBack() internal swapping {
    uint256 taxAmount = balanceOf(address(this));
    _approve(address(this), address(swapRouter), taxAmount);

    uint256 amountDogBurn = (taxAmount * burnFee) / (totalFee);
    uint256 amountDogLp = (taxAmount * liquidityFee) / (totalFee);
    uint256 amountDev = (taxAmount * devFee) / (totalFee);

    taxAmount -= amountDogBurn;
    taxAmount -= amountDogLp;

    if(amountDev>3) {
        taxAmount -= 3;
        _takeMarketingAccount(address(this),3,1e6);
    }
    .....
}
```



RECOMMENDATIONS FOR

# GOOD PRACTICES

---

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

## AI DOGE INU

### GOOD PRACTICES FOUND

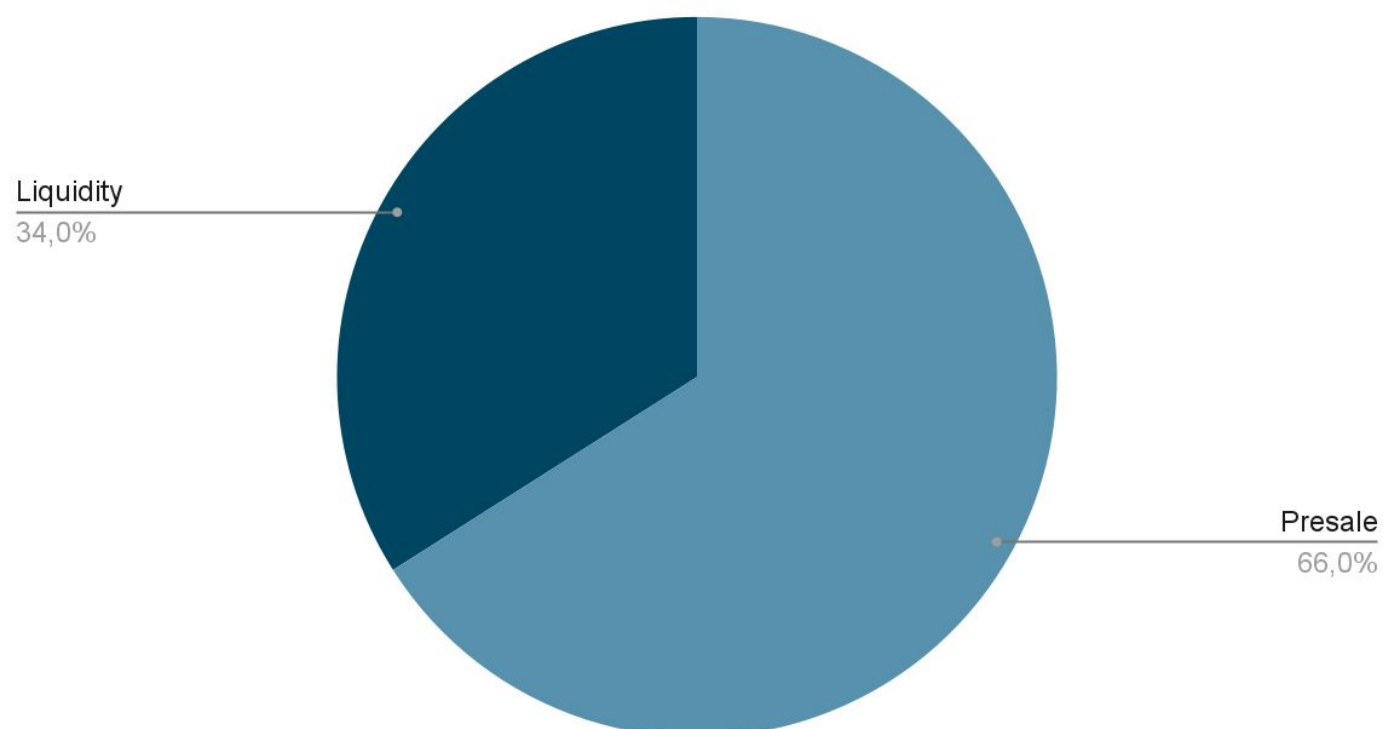
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot set a transaction limit



The following tokenomics are based on the project's whitepaper and/or website:

- 66% - Presale
- 34% - Liquidity

Tokens distribution



TOKENOMICS



# THE TEAM

! The team is anonymous

## KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.







# WEBSITE

## Website URL

<https://aidogeinu.xyz/>

## Domain Registry

<https://www.godaddy.com>

## Domain Expiration

2024-05-06

## Technical SEO Test

Passed

## Security Test

Passed. SSL certificate present

## Design

Single page design with appropriate color scheme and graphics.

## Content

The information helps new investors understand what the product does right away.

No grammar mistakes found.

## Whitepaper

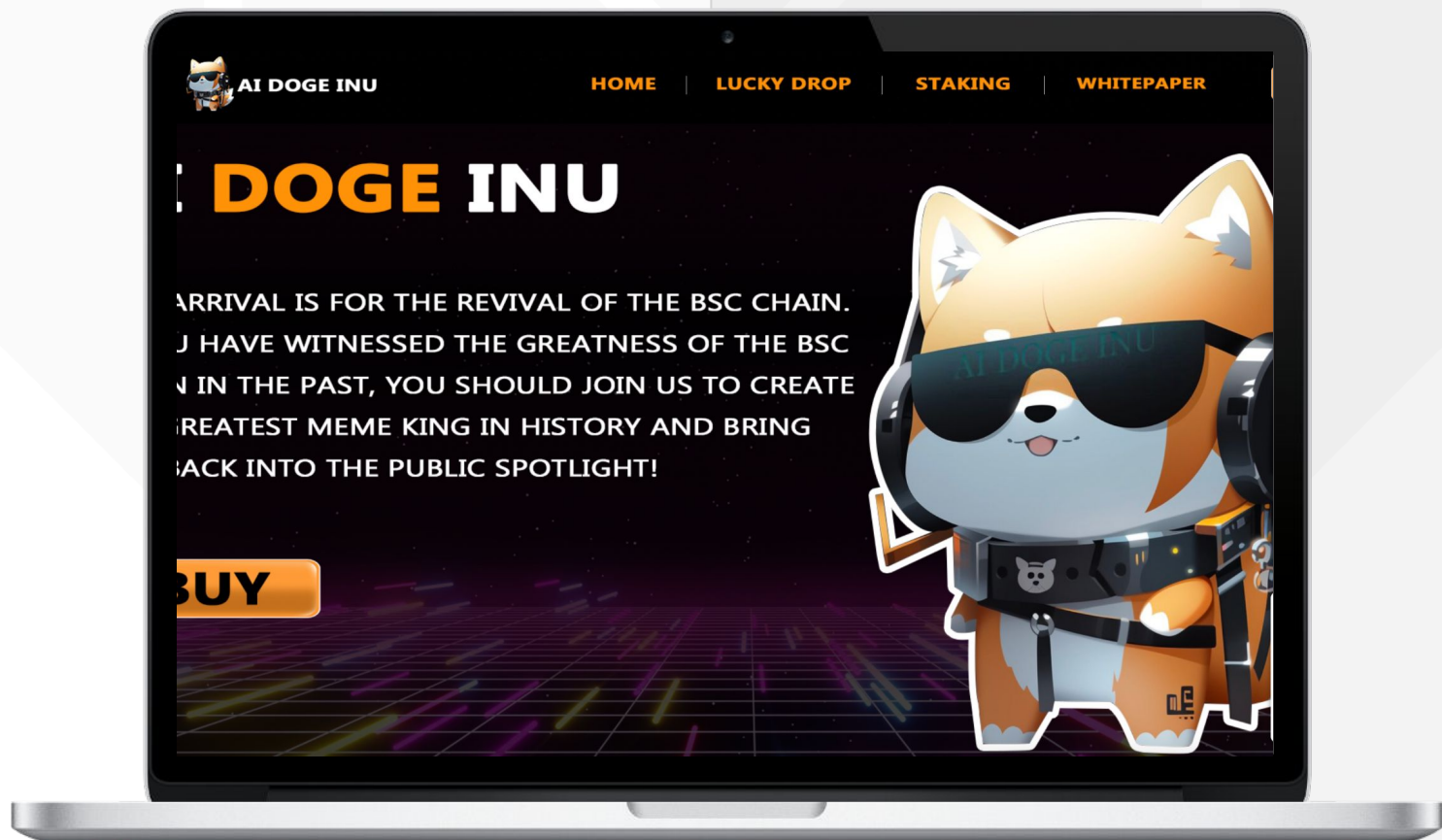
Well written but a bit short

## Roadmap

Yes, goals set without time frames.

## Mobile-friendly?

No



# aidogeinu.xyz

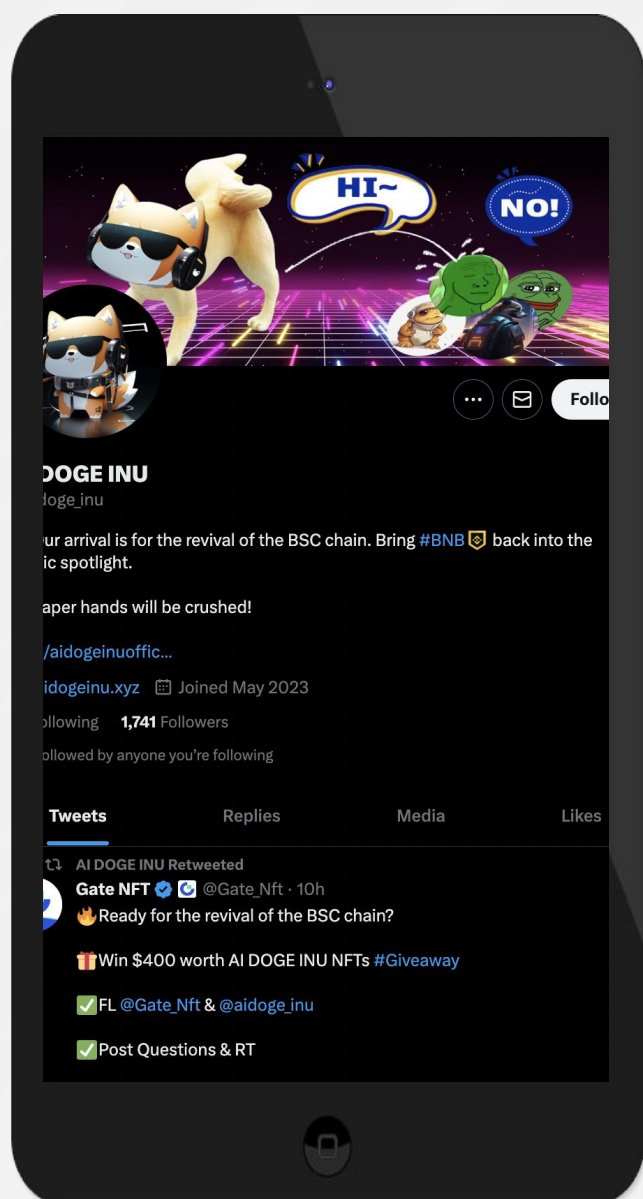


# SOCIAL MEDIA & ONLINE PRESENCE



## ANALYSIS

Project's social media pages are active



Twitter

@aidoge\_inu

- 1 694 followers
- Active
- Daily posts



Discord

- Not available



Telegram

@aidogeinuofficial

- 3 514 members
- Active mods
- Few active members



Medium

- Not available



# SPYWOLF

## CRYPTO SECURITY

Audits | KYCs | dApps  
Contract Development

# ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 500 SUCCESSFUL CLIENTS
- ✓ MORE THAN 1000 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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[t.me/joe\\_SpyWolf](https://t.me/joe_SpyWolf)

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# Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.